

101

Start

100

Measuring of waste gas concentration parameters, waste gas temperature, outside temperature, combustion air temperature, flow and return flow temperature of the heating circuits and, if applicable, inside temperature, and determination of the fuel power over time in each case within a certain observation period.

102

Ascertaining the efficiency of the heating system over time from the previously measured variables over time within the observation period.

103

Ascertaining the average outside temperature within the observation period.

104

Ascertaining an average heating performance produced at the average outside temperature from the fuel power over time and the efficiency of the heating system over time within the observation period.

105

Ascertaining a maximum heating performance to be produced at a minimum outside temperature from the average heating performance, a minimum outside temperature, the heating limit temperature, or average inside temperature, and the average outside temperature within the observation period.

106

Ascertaining the connected heating load of the building from the maximum heating performance and observation duration.

107

Ascertaining the burner power to be set from the connected heating load and the efficiency, or heat generation losses in the quasistationary state.

108

Output of results

FIG. 3